PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY				ITY	MNSI			
То:						PCT PCT		
						RITTEN OPINION OF THE IONAL SEARCHING AUTHORITY		
		•				(PCT Rule 43bis.1)		
	-				Date of mailing (day/month/year)	See form PCT/ISA/210		
Applica	nt's or ag	ent's file referenc	e		FOR FURTHER ACTION			
Rsw	k-02	034			See paragraph 2 below			
Internati	ional app	lication No.		International filing date	e (day/month/year) Priority date (day/month/year)			
PCT	/EP2	005/0501	L34	13.01.2005	11.02.2004			
Internati	ional Pat	ent Classification	(IPC) or both	national classification ar	nd IPC			
A61	K7/4	2, A61K	7/48		•			
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Applica	nt							
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1.		pinion contains in	dications reta	ting to the following item	is:			
	\boxtimes	Box No. I	Basis of the	opinion				
	\boxtimes	Box No. II	Priority	•				
	닖	Box No. III	Non-establi:	shment of opinion with re	gard to novelty, invent	ive step and industrial applicability		
	Ц	Box No. IV		ty of invention				
		Box No. V		externent under Rule 43bis y; citations and explanation		novelty, inventive step or industrial tement		
		Box No. VI	Certain doc	uments cited				
		Box No. VII	Certain defe	ects in the international ap	pplication			
	Ш	Box No. VIII	Certain obse	ervations on the internation	onal application	:		
2.		HER ACTION						
	If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered:							
	If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.							
	For further options, see Form PCT/ISA/220.							
3. For further details, see notes to Form PCT/ISA/220.								
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ivame a	no maili	ng address of the	15/VEL		Authorized officer	·		

Box	No. I		Basis of this opinion						
1.	With	n regard t I, unless c	o the language, this opinior therwise indicated under thi	has been established s item.	on the basis of the	international applic	cation in the lan	guage in whi	ch it was
		This op	inion has been established o	n the basis of a transla , which is the langua					h (under
	•	Rule 12	.3 and 23.1(b)).	-		·	•		
2 .			to any nucleotide and/or s opinion has been establish		e disclosed in the	international appli	cation and nece	essary to the	claimed
	a.	type of	material						
		a	sequence listing						
		ta	ble(s) related to the sequence	e listing					
	b.	format	of material	•				•	
		☐ ir	written format						
		ii	computer readable form				•	•	
	c.	time of	filing/furnishing			•			
			ontained in the international	application as filed.					
			led together with the interna	•	omputer readable fo	orm.			
		\equiv	urnished subsequently to this			•			
	_	_	• ,	•	•		. 0		
3.	L	furnish	tion, in the case that more ed, the required statements t does not go beyond the app	hat the information in	the subsequent or	additional copies is			
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4.	Add	litional co	· ·						
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Box No. II Priority
1. The following document has not yet been furnished: copy of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(a)). translation of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(b)). Consequently it has not been possible to consider the validity of the priority claim. This opinion has nevertheless been established on the assumption that the relevant date in the claimed priority date.
 This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43bis.1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.
3. Additional observations, if necessary: The validity of the priority claim has not been considered because the International Searching Authority does not have in its possession a copy of the earlier application whose priority has been claimed or, where required, a translation of that earlier application. This opinion has nevertheless been established on the assumption that the relevant date (Rules 43bis1 and 64.1) is the
claimed priority date.
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Box		t under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; nations supporting such statement	
1.	Statement	,	
	Novelty (N)	Claims 9	YES
ľ		Claims 1-8, 10	NO
			-
·	Inventive step (IS)	Claims	YES
		Claims 1-10	NO
l	Industrial applicability (IA)	Claims 1-10	YES
		Claims	NO
L			
2.	Citations and explanations:		
	1) This opinion	mentions the following search report citations	
	(documents Di	1-D15). The same numbering will be used throughout	
	the procedure	∋ :	
<u> </u>	D1 = FR-A-2		
	D2 = EP-A-1		
	D3 = WO-A-02		
1	D4 = FR-A-2		
	D5 = FR-A-2		
	D6 = US-A-5		
	D7 = US-A-5		
	D8 = EP-A-0	424 282	
	•		
		claims 8 and 9 do not meet the requirements of PCT	
	•	cause the subject matter for which protection is	
		t clearly defined. The description on page 4,	
		and 4 reveals that the preparations comprise more	
		eight of glycerol. It is also stated that the	
	• •	according to the present invention are	
		d in that the skin shade achieved with them is	
		than that with comparable products with a lower	
		tent. This feature "more than 5% by weight of	
		therefore essential for the definition of the	
		owever, claims 8 and 9 do not contain this	
		their scope therefore extends beyond the scope	
	justified by	the description.	
	Since the pr	esent independent claims 8 and 9 do not contain	

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Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

this feature, they do not meet the requirement of PCT Article 6 in conjunction with PCT Rule 6.3(b) that each independent claim must contain all of the technical features which are essential for the definition of the invention.

- 3) However, in preparing the present opinion with regard to novelty and inventive step, the wording of claims 8 and 9 as filed was taken into consideration.
- 4) The present application does not meet the requirements of PCT Article 33(1) because the subject matter of independent claims 1 and 8 is not novel within the meaning of PCT Article 33(2).

The example on page 9 of document D1 discloses a self-tanning preparation comprising 5% by weight of dihydroxyacetone (DHA) and 15% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.33. Examples 1.7, 2.1, 2.3, 2.5, 3.1, 3.3, 3.4, 4.1, 4.3, 4.4, 5.2 and 5.3 of document D2 disclose self-tanning preparations comprising DHA and glycerol in a weight ratio between 0.05 and 0.9. In addition, examples 2.2, 2.3, 2.5, 3.1, 3.3, 4.1, 4.3, 5.2 and 5.3 disclose self-tanning preparations comprising DHA and more than 5% by weight of glycerol.

Example 2 of document D3 discloses a self-tanning preparation comprising 4% by weight of DHA and 8% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.5.

Example 1 of document D4 discloses a self-tanning preparation in the form of an O/W emulsion comprising 5% by weight of DHA and 10% by weight of glycerol. This preparation comprises DHA and glycerol in a ratio weight of 0.5.

Example 1 of document D5 discloses a self-tanning preparation comprising 5% by weight of DHA and 10% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.5.

Example 2 of document D6 discloses a self-tanning preparation comprising 10% by weight of DHA and 11% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio

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Box No. V

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

of 0.91.

Composition 6 (example 3) in document D7 discloses a self-tanning preparation comprising 5% by weight of DHA and 30% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.16. Example 4 of document D8 discloses a self-tanning preparation comprising 4% by weight of DHA and 16.6% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.24. Examples 2 and 10 of document D9 disclose self-tanning preparations comprising DHA and glycerol in a weight ratio between 0.05 and 0.9 (or 0.4 and 0.25). In addition, examples 2, 7, 10 and 12 disclose self-tanning preparations comprising DHA and more than 5% by weight of glycerol.

Example 2 of document D10 discloses a self-tanning preparation in the form of an O/W emulsion comprising 3% by weight of DHA and 20% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.15.

Example 2 of document D11 discloses a self-tanning preparation comprising 3% by weight of DHA and 10% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.3.

The example in table I of document D12 discloses a self-tanning preparation comprising 4% by weight of DHA and 5% by weight of glycerol. This preparation comprises DHA and glycerol in a weight ratio of 0.8.

Examples 4 and 11 of document D13 disclose self-tanning preparations in the form of an O/W cream comprising DHA and glycerol in a weight ratio between 0.05 and 0.9 (or 0.13 and 0.16). In addition, example 4 discloses a self-tanning preparation comprising DHA and more than 5% by weight of glycerol. Example 8 of document D14 discloses a self-tanning preparation in the form of an O/W microemulsion comprising DHA and glycerol in a weight ratio between 0.05 and 0.9 (or 0.1). In addition, example 11 discloses a self-tanning preparation in the form of an O/W microemulsion comprising DHA and more than 5% by weight of glycerol.

Example 1 of document D15 discloses a self-tanning preparation comprising 5% by weight of DHA and 10% by weight of glycerol.

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Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

This preparation comprises DHA and glycerol in a weight ratio of 0.5.

5) The present application does not meet the requirements of PCT Article 33(1) because the subject matter of independent claim 10 is not novel within the meaning of PCT Article 33(2).

Documents D1, D9, D12 and D15 all describe the use of self-tanning preparations which comprise dihydroxyacetone and more than 5% by weight of glycerol for achieving a natural skin shade (see D1: page 1, lines 42 to 47; page 5, lines 34 to 37; see D9: page 1, lines 9 to 11; page 2, lines 4 to 7; see D12: page 1, paragraph [0005]; see D15: page 1, paragraphs [0005] and [0018]).

- None of the documents cited in the international search report discloses the use of glycerol in self-tanning preparations which comprise DHA for achieving naturalness of the skin shade as is described in the present independent claim 9.

 It follows from this that the subject matter of the present claim 9 meets the requirements of PCT Article 33(2) with regard to the prior art which has been disclosed.
- 7) Dependent claims 2-7 do not contain any features which, in combination with the features of any claim to which they refer, meet the PCT requirements for novelty.
- 8) The subject matter of independent claims 8 and 9 does not meet the PCT requirements for inventive step (PCT Article 33(3)).

As already mentioned under point 2), the feature "more than 5% by weight of glycerol" is essential for the definition of the invention. However, claims 8 and 9 do not contain this feature, and therefore their scope extends beyond the scope justified by the description. For this reason, it is doubtful that the problem addressed was solved over the entire range of claims 8 or 9. The subject matter of the present claims 8 and 9 cannot therefore be considered inventive.

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
9)	Claims 1 to 10 meet the criterion specified in PCT Article						
	33(4) because the present invention is industrially						
	applicable.						
;							

Box	No. VI Certa	in docur	ments cited			
1.	Certain published do	ocuments	(Rule 43bis.1	and 70.10)		
	Application No. Patent No.		Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)	
	EP-A-1	481	663.	01.12.2004	27.05.2003	
	EP-A-1	477	159	17.11.2004	10.04.2004	12.05.2003
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se	e supplement	Lai S	neet			
2.	Non-written disclos	ures (D. 1	le 43bie 1 === 1 ?	70.9)		
2.				•		e of written disclosure
	Kind of	non-writ	tten disclosure	Date of non-writter (day/month/)		g to non-written disclosure (day/month/year)
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Box No. VΠ Certain defects in the international application The following defects in the form or contents of the international application have been noted: 1) Contrary to PCT Rule 5.1(a)(ii), the description does not cite documents D1 to D15 or indicate the relevant prior art disclosed therein.

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of

Box VI

Pursuant to PCT Rule 64.3, these documents do not form part of the prior art, but may become prior art pursuant to EPC. Article 54(3) in the regional phase before the EPO.

Examples I to V of document EP-A-1 481 663 (D16) disclose selftanning preparations comprising DHA and more than 5% by weight of glycerol. These preparations comprise DHA and glycerol in a weight ratio between 0.05 and 0.9.

Examples 1, 2, 4, 10-12, 14, 17, 20, 22, 25, 27, 30, 31 and 33 of document EP-A-1 477 159 (D17) disclose self-tanning preparations comprising DHA and glycerol in a weight ratio between 0.05 and 0.9. In addition, examples 1, 4, 10, 11, 20 and 30 disclose self-tanning preparations comprising DHA and more than 5% by weight of glycerol.

Consequently, documents D16 and D17 both deprive the present claims 1 to 8 and 10 of novelty.